



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090498

Mode: Highway

Status: Submitted

NC-210 (Murchison Road)

From/Cross Street: US 401 Bypass

Specific Improvement Type: 1 - Widen Existing Roadway

To: Bernadine Street

Project Category: Regional Impact

Length: 1.91

TIP#: U-4900

Fully Funded in Draft STIP? No

Cost to NCDOT: \$21,610,000

Description:

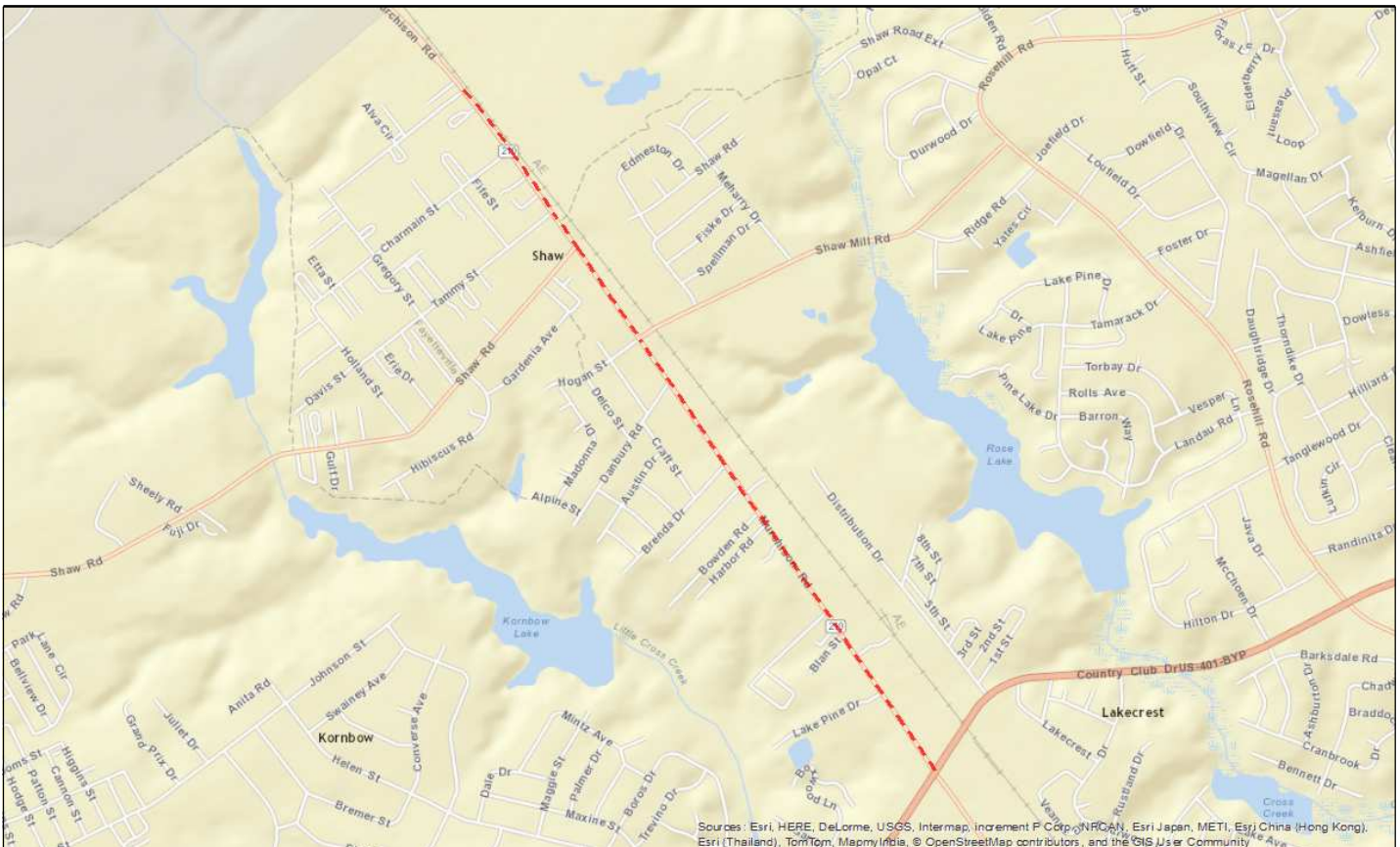
Add Additional Lanes

Division(s): Division 6

County(s): CUMBERLAND

MPOS(s)/RPO(s): Fayetteville Area MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 43.09

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 38.00	Percent: 15% Points: 70	Percent: 15% Points: 100
Safety (10%) 64.64		
[Travel Time] Benefit/Cost (25%) 0.47		
Accessibility / Connectivity (10%) 15.05		
Totals: Weight: 70% Weighted Score: 17.59		

Division Needs Total Score: 14.16

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 38.00	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 64.64		
[Travel Time] Benefit/Cost (20%) 0.47		
Totals: Weight: 50% Weighted Score: 14.16		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles):	1.91
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	10
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	16572.05
Capacity:	31700
Volume/Capacity Ratio:	0.52
% Autos:	96%
% Trucks:	4%
Truck Volume:	658.66
Crash Density:	68.08
Crash Severity:	66.53
Critical Crash Rate:	59.33
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	22
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	73
Actual Congested Speed:	37.47
Travel Time Index:	1.2

Project Benefits

Project Cross-Section:	6E - 6 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	1.91
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	456691.07
Travel Time Savings for 30 Years (Autos):	438539.8
Travel Time Savings for 30 Years (Trucks):	18151.27
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	Yes
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 6

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 6	100%	70	0
	0%	0	0
	0%	0	0
TOTAL Division Points		70	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Fayetteville Area MPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$10,700,000	TIP Unit
Right-of-Way Cost:	\$8,960,000	TIP Unit
Utilities Cost:	\$1,950,000	TIP Unit
Total Project Cost:	\$21,610,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$21,610,000	